Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/05/2018 12:35 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126047	0	2.13	126106	2.13
Blue	F	SSC	125000	124948	-1	2.08	125720	2.06
Blue	E	FITC	15760	15451	-2	3.00	336	23.00
Blue	D	PE	25880	25724	-1	2.08	560	16.35
Blue	B	PerCP-Cy5-5	34075	34859	2	4.20	1066	22.52
Blue	A	PE-Cy7	22776	23164	1	7.34	555	45.03
Red	C	APC	42488	42285	-1	2.70	1591	13.02
Red	A	APC-Cy7	24478	24324	-1	2.84	832	12.95
Violet	B	V450	6304	6100	-4	4.18	338	17.56
Violet	A	V500	26005	24803	-5	3.70	581	13.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20818	10.21	608	11	N/A	N/A	Pass
Blue	F	SSC	56596	1.51	579	24	N/A	N/A	Pass
Blue	E	FITC	59	75.85	563	7	0.0148	197	Pass
Blue	D	PE	116	57.56	558	9	0.1430	341	Pass
Blue	B	PerCP-Cy5-5	201	55.47	660	13	0.0075	90	Pass
Blue	A	PE-Cy7	109	111.19	712	15	0.0093	27	Pass
Red	C	APC	374	28.37	604	4	0.0217	225	Pass
Red	A	APC-Cy7	204	28.48	575	4	0.0047	931	Pass
Violet	B	V450	53	84.01	499	10	0.0307	2760	Pass
Violet	A	V500	87	49.92	515	9	0.0127	1457	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-32.06	0.89
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.37
Red	16.01	13.60 - 20.40	N/A	N/A	31.97	32.53	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10649

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments